

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1946	notoginseng	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L2	98935	arthriti\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L3	73	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L4	40	L3 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16
L5	8	L4 and ethanol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
L6	146	notoginseng NEAR5 radix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:14
L7	16	L6 and (ethanol NEAR10 (extract or extraction))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:13
L8	860	notoginseng NEAR5 (radix or root\$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16

## EAST Search History

L9	182	l8 and (extract or extraction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:16
L10	103	l9 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:20
L11	52	l10 and (ethanol or methanol or isopropanol or alcohol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:21
L12	19	"4317816"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:46
L13	22	l11 and (pain or inflamm\$ or arthritis)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:22
L14	2	((JUNG-KEUN) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:31
L15	1	((SE-WON) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:44
L16	0	((HYUNG-GUN) near2 (KIM)).INV.	USPAT	NEAR	ON	2007/01/28 15:32
L17	1	((HYUNG-GUN) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:32
L18	0	((JONG-YEO) near2 (KIM)).INV.	USPAT; USOCR	NEAR	ON	2007/01/28 15:33
L19	1	((JONG-YEO) near2 (KIM)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L20	1	((SUNHWA) near2 (CHANG)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L21	2	((BYUNG-EUI) near2 (LEE)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L22	0	((YOUNGNIM) near2 (CHOI)).INV.	USPAT; USOCR	NEAR	ON	2007/01/28 15:33

## EAST Search History

L23	138	((DONG) near2 (JUNG)).INV.	US-PGPUB; USPAT	NEAR	ON	2007/01/28 15:33
L24	2	((("4755504") or ("US2002210548"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:46
L25	2	("2002210548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:46
L26	0	("20020210548").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:47
L27	2	("2003152651").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:48
L28	0	("US2003152651").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/28 15:48
L29	72684	(liu).inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:48
L30	143	l29 and l1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:49
L31	11	l30 and angina	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 15:49

## EAST Search History

S2	1946	notoginseng	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:51
S3	98935	arthriti\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:49
S4	73	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:49
S5	40	S4 and @ad<"20030906"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:09
S6	146	notoginseng NEAR5 radix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 14:12
S7	2	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	NEAR	ON	2007/01/28 11:52

=> d his

(FILE 'HOME' ENTERED AT 15:33:53 ON 28 JAN 2007)

FILE 'HCAPLUS' ENTERED AT 15:33:59 ON 28 JAN 2007

L1           E KIM JUNG KEUN/AU 25  
53 S (E3)  
L2           E KIM SE WON/AU 25  
39 S (E3)  
L3           E KIM HYUNG GUN/AU 25  
34 S (E3)  
             E KIM SEON YLE/AU 25  
             E KIM SEON /AU 25  
             E KIM SEON Y/AU 25  
L4           19 S (E4)  
             E KIM JONG YEO/AU 25  
L5           12 S (E3)  
             E CHANG SUNHWA/AU 25  
L6           2 S (E3)  
             E BAEK DONG HEON/AU 25  
L7           18 S (E3 OR E4 OR E5 OR E6)  
             E LEE BYUNG EUI/AU 25  
L8           8 S (E3)  
             E KO SEONG HEE/AU 25  
L9           8 S (E3)  
             E CHOI YOUNGNIM/AU 25  
L10          17 S (E3)  
             E JUNG DONG SIK/AU 25  
L11          8 S (E3)  
             E WOO HEEJONG/AU 25  
L12          1 S (E3)  
L13          148 S L1-L12  
             E NOTOGINSENG  
L14          2084 S E1-E12  
L15          5 S L14 AND L13  
             E ARTHRITIS+ALL/CT  
L16          233034 S (ARTHRITIS OR "DISEASE, ANIMAL" OR "INFLAMMATION" OR "DISEASE  
L17          117 S L14 AND L16  
L18          34 S L17 AND EXTRACT  
L19          32 S L18 NOT L15  
L20          5 S L19 AND 1800<=PY<=2003

=&gt; d 115 ibib abs

L15 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:850879 HCAPLUS <<LOGINID::20070128>>  
 TITLE: A herbal mixture extract of pleurotus eryngii,  
 acanthopanax cortex and notoginseng radix  
 and a composition comprising the same for prevention  
 and treatment of periodontitis  
 INVENTOR(S): Kim, Jung-Keun; Kim, Se-Won;  
 Kim, Hyung-Gun; Ko, Seon-Yle; Baek,  
 Dong-Heon  
 PATENT ASSIGNEE(S): Oscotec Inc., S. Korea  
 SOURCE: PCT Int. Appl.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006088324	A1	20060824	WO 2006-KR544	20060217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM KR 2006092651 A 20060823 KR 2005-13702 20050218 PRIORITY APPLN. INFO.: KR 2005-13702 A 20050218				

AB The present invention relates to a herbal mixture extract of Pleurotus  
 eryngii, Acanthopanax Cortex and Notoginseng Radix and a  
 composition for prevention and treatment of periodontal disease containing  
 the herbal mixture extract as an active ingredient, more precisely, a  
 herbal mixture extract having activities of inhibiting the generation and  
 activation of osteoclasts by enhancing the expression of osteoprotegerin  
 (OPG) in osteoblasts, preventing alveolar bone from destruction by  
 inhibiting the proliferation of osteoclasts and maintaining the growth of  
 periodontal ligament cells and gingival fibroblasts, and a composition for  
 prevention and treatment of periodontal disease containing the above  
 mixture as an active ingredient.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=&gt; d 115 ibib abs 2-5

L15 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:810249 HCAPLUS <<LOGINID::20070128>>  
 DOCUMENT NUMBER: 145:217822  
 TITLE: Ethyl alcohol extract of notoginseng radix  
 which contains a large amount of saponin and has  
 inhibitory effect on osteoporosis induction  
 INVENTOR(S): Baek, Jeong Hwa; Kim, Hyeon Man; Kim, Hyeong Geon;  
 Kim, Jong Yeo; Kim, Jung Keun;  
 Kim, Se Won; Ko, Seon Il; Lee, Byeong Ui; Oh,

Kwi Ok; Ryu, Hyeon Mo; Woo, Gyeong Mi  
 PATENT ASSIGNEE(S): Oscotec Inc., S. Korea  
 SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given  
 CODEN: KRXXA7  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Korean  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2004100760	A	20041202	KR 2003-33220	20030524
KR 2005115848	A	20051208	KR 2005-112805	20051124
PRIORITY APPLN. INFO.:			KR 2003-33220	A3 20030524

AB Provided is an Et alc. extract of Notoginseng Radix which contains a large amount of saponin and has inhibitory effect on osteoporosis induction. Therefore, it is used for prevention and treatment of osteoporosis. The Et alc. extract of Notoginseng Radix is obtained by extracting Notoginseng Radix at 70-80 for 3-5 h using Et alc. and concentrating the extract at 20-40 under vacuum pressure. The extract contains a large amount of saponin and inhibits the induction of osteoporosis.

L15 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2006:739898 HCAPLUS <<LOGINID::20070128>>  
 TITLE: Herbal mixture extract of notoginseng radix, rehmanniae radix preparata and acanthopanacis cortex and composition comprising the same for prevention and treatment of arthritis  
 INVENTOR(S): Kim, Jung-Keun; Kim, Se-Won; Kim, Hyung-Gun; Ko, Seon-Yle; Baek, Dong-Heon; Chang, Sunhwa  
 PATENT ASSIGNEE(S): Oscotec Inc., S. Korea  
 SOURCE: PCT Int. Appl.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006078120	A1	20060727	WO 2006-KR199	20060118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
KR 2006084650	A	20060725	KR 2005-5425	20050120
PRIORITY APPLN. INFO.:			KR 2005-5425	A 20050120

AB The present invention relates to a herbal mixture extract of Notoginseng radix, Rehmanniae radix preparata and Acanthopanacis cortex, and a composition for the prevention and the treatment of arthritis comprising the same as an effective ingredient. The herbal mixture extract of the present invention can be effectively used for the prevention and the treatment of arthritis because it inhibits the release of an inflammatory substance and the synthesis of cartilage destroying

substance as well as the progress of arthritis.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:76089 HCAPLUS <<LOGINID::20070128>>

DOCUMENT NUMBER: 144:156609

TITLE: Pharmaceutical compositions, health foods, and  
dentifrices containing Panax notoginseng  
root extracts for treatment of periodontal disease

INVENTOR(S): Kim, Jung Keun; Kim, Se Won; Kim,  
Hyeon Man; Ko, Seon Yle; Baek, Dong Heon;  
Chang, Sun Hwa; Lee, Byung Eui; Jung,  
Dong Sik; Hahn, Hyon Jun

PATENT ASSIGNEE(S): Oscotec, Inc., S. Korea

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006022099	A	20060126	JP 2005-196056	20050705
KR 2006003942	A	20060112	KR 2004-51859	20040705
PRIORITY APPLN. INFO.:			KR 2004-51859	A 20040705

AB Water and/or alc. exts. of P. notoginseng roots are useful for  
prophylactic and therapeutic treatment of periodontal disease. Thus, EtOH  
extract of the roots inhibited release of TNF- $\alpha$  from human THP-1 cells,  
showed selective lethal effect on activated T cells, promoted  
proliferation of human osteoblast cells and periodontal ligament cells,  
and inhibited the growth of osteoclast cells.

L15 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:232670 HCAPLUS <<LOGINID::20070128>>

TITLE: Composition comprising notoginseng radix  
extract for preventing and treating arthritis as an  
effective ingredient

INVENTOR(S): Kim, Jung-keun; Kim, Se-won;  
Kim, Hyung-gun; Ko, Seon-yle; Kim,  
Jong-yeo; Chang, Sunhwa; Baek,  
Dong-heon; Lee, Byung-eui; Ko,  
Seong-hee; Choi, Youngnim; Jung,  
Dong Sik; Woo, Heejong

PATENT ASSIGNEE(S): Oscotec Inc., S. Korea

SOURCE: PCT Int. Appl.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005023281	A1	20050317	WO 2004-KR2255	20040906
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,			



AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
 SN, TD, TG

KR 2005025388	A	20050314	KR 2003-62418	20030906
EP 1660108	A1	20060531	EP 2004-774516	20040906

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

KR 2005088947	A	20050907	KR 2005-70034	20050730
US 2007014879	A1	20070118	US 2006-568257	20060213

PRIORITY APPLN. INFO.:			KR 2003-62418	A	20030906
			WO 2004-KR2255	W	20040906

AB The present invention relates to a composition comprising Notoginseng  
 radix extract for preventing and treating arthritis as an effective  
 ingredient. Notoginseng radix extract of the present invention  
 inhibits release of tumor necrosis factor-alpha (TNF- $\alpha$ ) and is the  
 death of activated T-cells only, so that it can be effectively used for  
 the production of a medicine for preventing and treating arthritis and health  
 food as well.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

s.118 not 115

L19 32 L18 NOT L15

=&gt; S L19 AND 1800&lt;=PY&lt;=2003

23915131 1800&lt;=PY&lt;=2003

L20 5 L19 AND 1800&lt;=PY&lt;=2003

=&gt; d 120 ibib abs hitstr 1-5

L20 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1310905 HCAPLUS &lt;&lt;LOGINID::20070128&gt;&gt;

DOCUMENT NUMBER: 144:45513

TITLE: Composition comprising Xanthoceras sorbifolia  
extracts, compounds isolated from same,  
methods for preparing same, and uses thereof

INVENTOR(S): Chan, Pui-Kwong; Mak, May Sung; Wang, Yun

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 194 pp., Cont.-in-part of U.S.  
Ser. No. 906,303.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 11

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005276872	A1	20051215	US 2005-117760	20050427
US 2003091669	A1	20030515	US 2001-944805	20010831 <--
US 6616943	B2	20030909		
WO 2003017919	A2	20030306	WO 2002-IB4750	20020828 <--
WO 2003017919	A3	20040722		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004146591	A1	20040729	US 2003-471384	20030904
WO 2005037200	A2	20050428	WO 2004-US33359	20041008
WO 2005037200	A3	20050616		
WO 2005037200	A8	20050901		
WO 2005037200	B1	20051006		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2005063273	A1	20050714	WO 2004-US43465	20041223
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE, SN, TD, TG

US 2005220910 A1 20051006 US 2005-906303 20050214  
 WO 2006029221 A2 20060316 WO 2005-US31900 20050907

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,  
 LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,  
 NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,  
 SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
 ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

US 2006111310 A1 20060525 US 2005-267523 20051104  
 US 2006122129 A1 20060608 US 2005-289142 20051128  
 WO 2006116656 A2 20061102 WO 2006-US16158 20060427

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,  
 KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,  
 MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,  
 SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
 VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

US 2006263458 A1 20061123 US 2006-412659 20060427

PRIORITY APPLN. INFO.:

US 2001-944805 A2 20010831  
 WO 2002-IB4750 W 20020828  
 US 2003-471384 A2 20030904  
 US 2003-509851P P 20031009  
 US 2003-532101P P 20031223  
 US 2004-607858P P 20040907  
 US 2004-613811P P 20040927  
 US 2004-617379P P 20041008  
 WO 2004-US33359 A2 20041008  
 WO 2004-US43465 A2 20041223  
 US 2005-906303 A2 20050214  
 US 2005-117760 A 20050427  
 US 2005-675282P P 20050427  
 US 2005-675284P P 20050427  
 US 2005-131551 A 20050517  
 WO 2005-US31900 A2 20050907  
 US 2005-267523 A2 20051104  
 US 2005-289142 A 20051128

OTHER SOURCE(S): MARPAT 144:45513

AB This invention provides compns., methods and process of producing  
 exts. and pure compds. from *Xanthoceras sorbifolia*. The  
 extract comprises saponins and other constituents including  
 alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides,  
 tannins, acid, flavonoids and others. The composition can be used for treating  
 cancer and other conditions, such as arthritis, rheumatism, poor  
 circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris,

cardiac disorder, coronary heart disease, headache, kidney disorder, and impotence; for improving cerebral functions; or for curing enuresis, frequent micturition, urinary incontinence, dementia, weak intelligence and Alzheimer's disease, autism, brain trauma, Parkinson's, cerebral dysfunctions, and treating arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, headache, dizziness, kidney disorder. This invention provides compds. of oleanene triterpenoidal saponin in nature with the characteristics that at least one angeloyl group attache to Carbon 21 or/and 22, or/and linked to the sugar. The compds. of the present invention have various pharmaceutical and therapeutic applications.

L20 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:987700 HCAPLUS <<LOGINID::20070128>>  
 DOCUMENT NUMBER: 141:400872  
 TITLE: Dietary food supplement containing natural cyclooxygenase inhibitors for inhibiting pain and inflammation  
 INVENTOR(S): Nair, Muraleedharan G.; Wang, Haibo; Dewitt, David L.; Krempin, David W.; Mody, Dipak K.; Qian, Yong; Groh, David G.; Davies, Audra J.; Murray, Mary A.; Dykhouse, Robin; Lemay, Marc  
 PATENT ASSIGNEE(S): Access Business Group International LLC, USA; Michigan State University  
 SOURCE: U.S., 30 pp., Cont.-in-part of Appl. No. PCT/US00/23423.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6818234	B1	20041116	US 2002-84575	20020227
WO 2001015553	A1	20010308	WO 2000-US23423	20000825 <--
WO 2001015553	A9	20020906		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2005100622	A1	20050512	US 2004-945609	20040921
US 2006024397	A9	20060202		

PRIORITY APPLN. INFO.:  
 US 1999-151278P P 19990827  
 US 1999-151280P P 19990827  
 WO 2000-US23423 A2 20000825  
 US 2002-84575 A3 20020227

AB The present invention describes food supplements that contain one or more fruit exts. useful for pain relief and anti-inflammation  
 . The food supplements may be used to inhibit inflammation mediated by cyclooxygenase and more particularly by cyclooxygenase-2. For example, an anti-inflammatory formulation contained per unit dose elderberry extract (min. 7% anthocyanin) 50 mg, chokeberry extract (min. 10% anthocyanin) 50 mg, tart cherry extract 2.5 mg, rice powder 337.5 mg, magnesium stearate 2.25 mg, and silica 1.13 mg.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:633059 HCAPLUS <<LOGINID::20070128>>  
DOCUMENT NUMBER: 139:154875  
TITLE: Herbal composition for angina pectoris, method to  
prepare same and uses thereof  
INVENTOR(S): Yan, Xijun; Wu, Naifeng; Guo, Zhixin; Ye, Zhengliang;  
Liu, Yan  
PATENT ASSIGNEE(S): Tianjin Tasly Pharmaceutical Co., Ltd., China, Peop.  
Rep. China  
SOURCE: U.S. Pat. Appl. Publ., 83 pp., Cont.-in-part of Appl.  
No. PCT/US01/49396.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003152651	A1	20030814	US 2002-210548	20020731 <--
CN 1348815	A	20020515	CN 2001-136155	20011109 <--
WO 2002058625	A2	20020801	WO 2001-US49396	20011218 <--
WO 2002058625	A3	20030306		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1388344	A1	20040211	EP 2003-17260	20030730
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
ZA 2003005860	A	20040526	ZA 2003-5860	20030730
CA 2436469	A1	20040131	CA 2003-2436469	20030731
WO 2004012651	A2	20040212	WO 2003-IB3774	20030731
WO 2004012651	A3	20040617		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003227336	A1	20040219	AU 2003-227336	20030731
AU 2003253217	A1	20040223	AU 2003-253217	20030731
BR 2003002589	A	20040831	BR 2003-2589	20030731
NZ 527311	A	20050429	NZ 2003-527311	20030731
SG 116501	A1	20051128	SG 2003-4274	20030731
JP 2005539006	T	20051222	JP 2004-525710	20030731
NZ 527372	A	20050429	NZ 2003-527372	20030805
PRIORITY APPLN. INFO.:				
			TW 2000-90132075	A 20001221
			US 2000-258057P	P 20001222
			CN 2001-136155	A 20011109
			WO 2001-US49396	A2 20011218
			US 2002-210548	A 20020731
			WO 2003-IB3774	W 20030731

AB This invention provides compns. comprising exts. of Radix

Salviae Miltiorrhizae, Radix Notoginseng and Borneol. Said compns. comprise notoginsenoside R1 and ginsenoside Rg1 which are active components for therapeutic applications. This invention also provides a method of preparation of the said compns. and a method of identification and determination of the amount of individual effective components of said compns. Finally, this invention provides various uses of the compns. A mixture of R. Salviae Miltiorrhizae 41.06 g, R. Notoginseng 8.03 g, borneol 0.46 g, and polyethylene glycol 6000 18 g was used to makes 1000 pills.

L20 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:321075 HCAPLUS <<LOGINID::20070128>>  
DOCUMENT NUMBER: 124:352755  
TITLE: Compositions containing medicinal plant extracts and other ingredients for tinea treatment  
INVENTOR(S): Luo, Yan  
PATENT ASSIGNEE(S): Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 4 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1113759	A	19951227	CN 1994-106261	19940601 <--
PRIORITY APPLN. INFO.:			CN 1994-106261	19940601
AB Compns. (ointments, pastes) for tinea treatment comprise sufamide, sodium chloride, fresh Panax notoginseng powder, and common analgesic and antiinflammatory drugs. The preps. were effective and nonirritating.				

L20 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:463934 HCAPLUS <<LOGINID::20070128>>  
DOCUMENT NUMBER: 111:63934  
TITLE: A method for extracting saponin and quercetin from Panax notoginseng and their use as analgesics and inflammation inhibitors and for treatment of circulatory diseases  
INVENTOR(S): Liu, Yaguang  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S., 6 pp. Cont.-in-part of U.S. Ser. No. 783,665, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4755504	A	19880705	US 1986-944357	19861222 <--
PRIORITY APPLN. INFO.:			US 1985-783665	A2 19851003
AB Quercetin (I) and saponin are extracted from P. notoqinseng root and a composition containing them is effective in the treatment of circulatory diseases and as health food. Dried powder of Tienchi roots 1 kg was extracted with 10 L of 80% EtOH for 24 h 3 times and the 3 exts. were combined and reduced to 1 L by vacuum distillation; the extract was passed through a column packed with polyamide resin to adsorb saponin and I, the saponin was then selectively eluted with water and I was eluted with 10, 20, and 30% EtOH in sequence: the eluate containing I was concentrated and crystallized with ethanol-water mixture; the aqueous solution of saponin was passed through Dowex 50				

resin column, eluted with 60% and 70% EtOH in sequence, concentrated, and crystallized with Me<sub>2</sub>CO to give a pure saponin, namely saponin Rb1 and Rg1. The effect of the composition comprising I and the saponins, on myocardial cells under hypoxia was tested in vitro with chicken heart cells; the composition at 50 mg/mL of medium, increased the survival rate of myocardial cells as measured by labeled cell nuclei, from 9.6% without the composition to 13.1% with the composition. Also, the composition at 35 mg/mL increased the coronary blood flow by 72.7% from that of the control with perfused isolated hearts of guinea pigs and reduced the oxygen consumption of the heart muscle from 218.3 to 99  $\mu$ L/100 mg heart muscle/h in the tests performed according to Warburg's monometry method. I-containing compns. had an analgesic effect in a hot plate test in rats and had an antiinflammatory effect in croton oil-induced inflammation in rats.